



Sequence Listing

B1

<110> Rudland, Philip S.
Barracclough, Roger B.

<120> Metastasis Inducing DNA's

<130> WPT 0114 PUS

<140> US 09/101,423

<141> 1998-11-27

<150> PCT/GB97/00074

<151> 1997-01-10

<160> 6

<210> 1

<211> 1033 base pairs

<212> DNA

<213> Homo sapiens

<400> 1

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CCCTTTTTC 120

CTGAGGACCC TTCACGTAGC CTCCCATCTG GATGACCTAG TAGAAGACGT
GGGAAGTTGT 180

CACACTCAGG TAACTGAGCA GAGCTCAGAG ATTTAAAGTG AGTCTGGGGA
GCCTCGAGGA 240

TTGATCTGCT GCCTTAAAAA GCCAATTGGA TGACTAACCC AGACTATTGT
CACTTTAGGT 300

GGGAAGTCAC TAGCATATCT GATGGGTCAC ATCTGAGAAA GGTTTCTAGC
AGTGGTGGCC 360

TTGTGTGAGC AGCATGGCGT GTATCATGGT GTGCAGCATA CTCAGGCTGC
TTGCAACACT 420

CGAGGCTCTT CTTCAGTATT AGGGGAACCA CTGGTGTTGA ACATGGTCCA
AGAATACAGT 480

CATGTGAGGA GAATCCCAAT GCGTCAGGAG AAAACGAGAG TCTGTGACCT
CCATTCTTCA 540

AGATACAGAA TTATTCTTGG ACTGTGTTTT CATGCTCCTT GTGGATGGGA
GTGAGTTTAC 600

TTCAGGTAA TCAGCATTGC TTACTGTTGG TATTCAAGTA AATGCTTAAA
TTATCCTGGA 660

TATACCTCTG TGGGAAGCAG GTTTTTGATA CATGCAGCTT GTCCTTGTGA
TTGATACTGC 720

TTGAACTCAA GAGAACTTTG CTCATGTGAT CTTTCTTAAC CGATGGAGTA
GAAACTGTCT 780

GATGCTCTCA ATAAAGTTGG CTCTTGCACG AGACGTTAGT CTGTCCTGTT
TATCTGCTCC 840

ATTCTTCCGC TCCCACGGCC TCTACAGCAC TAAACCCACC ACCGATAGAC
TCAGTCTTTC 900

ACTGACAAAC ATCACCAGAG GCTCTTAACT GAGATTATAA ACTGTTACTA
GATGATGGGT 960

GGAATCGCTC CCCAGAAACA TAAACATTTA CTTGGAGAAC TCAAGACCCC
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TAACTCCCAT GGT 1033

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<211> 1058 base pairs

<212> DNA

<400> 2

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ACTTGCAACC 120

TGTGGTCAGC AGCCAGAATT TAGGGATGTG ATGGGACAGG GTCGGGGAAA
GAAGGAGAAG 180

GGTAAAGGAA AGACAGCACG TTAAAGTCCA AACAGCTCCA GGAGACTATC
TG TAGAAATA 240

ACATCAGACC ATGAGGAGAA TTGATATCAT TGTTTTTCAA TGGGTATCGC
CAAGGGAACT 300

TTCCATCTGA TAAAAAATAA TTAGTGCTGG CACTAAATCC AATTGGAAAT
GCCCCACACA 360

ATTTATCTTC CACTTCATGC TGCTACCATA TGCCTGACGT GGCGGAGCAG
AAGCATTCCC 420

TCCCGTTCTG ATAAATAGTA CTTTGTAAT ATTTGGAGAC GGGAGCTCTG
GTGACAGGGA 480

ACACGTACAA ACCGGCCTGT TTATCATGTT CCCGATAGAG GCCCTCTTTG
ACGTACAGGA 540

CCCCAAAACA GTCAGGATGC TGTGAATTTC CTTCCATGAA GCCTTGTTCA
CAATTAGCAA 600

CCATTGGAGG AAGCAGGCTG CACTGTCTAC CACAAGTGGC ACTTTCCAAA
GAGCACACAT 660

ATATTGGAGC AAGACATTTT GCTGGCTGAC TGGTGCTGTG TAAGCTGATA
AACTGCTATA 720

TTTATTAAAC TGGCTTTTCT TTGAACACCC CACTCAAGGA AAAAAAACA
CACTTAGGGT 780

GACATTATTT GGAGATGAAG TCTTTATAGA GATGCTTAAG TTAAACGAG
ACTTTTAAAG 840

CCGGCTCTAT TCCATTTAAT GAATGGTGTC CCTACAAAGG AAGAAACTGG
GACAGAGGTA 900

TGTACACTTG TGTGTGTGTG AGAGACAACG TGAGGAGCTG AAGAGGAGCA
CGTACAAGTC 960

AGAGAAAGGC TGACCCTTAT TCACACTGAG CAAACCAGTC ATGTGTGGGT
CGATAGATGA 1020

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1058

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<213> Homo sapiens

<400> 3

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CAGCAGCATA 120

AGAACACAAT CACAAATAAA AAAAATCTTG AAAAATTTTA AGCTAAAATT
GTTAAGAAAT 180

AACATATATA CAATTTTCT TTATTTTTTT AAAGATTAT TTATTAAATG
TATATGAGTA 240

CACTGCCTCT CCCTCCAGAC ATAGCAGTAC AGGGCATCGG ATCCCATTAC
AGATGGTTGT 300

GAGCCACCAT GTGGTTTCAC AGATGGTTGT GAGCCACCAT GTGGTTTCAG
GAATTGAACT 360

CAGGACCTTT GGAAGAGCAG TCAGTGCTCT TAACCTCTAA GCCATCTCTC
CTGACCCTTA 420

TATACAATTT TAATGCTACG TACACACAAC TTCTCTTTCC TTTAATGGTT
GAGATTTTGT 480

TCTGGAGAAG TAAGAATAAA GGAGGGGAAAG AACATTGCTT TCACATTGCA
CCAGTGGGAA 540

CAGCGTGTTT AAAGTAGGAA TGCCATGAAA TGACTGGCCT GCCTTCTCAT
TACTGTTTCCT 600

CCCACTCCTC CTTTAACTG GAGCTCCTTT ATCTAATTTA TTAGTTTGAC
GATACCCAGG 660

GTTTTCTTCT GTTTTGATCT TTTTAAGACA GAGACTCACC ATATAGCCCT
GGCTGGCCTG 720

AAGCTCACTA TGTAGACCAG TCTGGCCTTG AACTCAAAGG AGATCTATCT
GCTTCCTAGT 780

GCTGGGATTA AAGGCTTGTG CTACCAAGTC TGGTCTGAGG CTTTGGAGCA
GCCTCGGTTT 840

TGGCCTTCTT TAAGGATCTC TAAGCTAGCA GTAAGTAGCC TAGCCATGCT
GTTGTAGGAA 900

GTTGTTCGTT CATCCTGGCT CCAGCACAAA GGCAGTCACT AAACGTCGGC
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1008

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GACACCTGCG 120

GGTAATTAAA AGCTCTCTCC CAGTGGCCTT TCCTGTTTTT GGCTCTGGGA
GGCGAAGGCA 180

TTGAGAGGGA TGCAGGCATT CTAAGGCTG GTTCTTGGTT TCTCCCTTCC
CCTCTGTCCA 240

AACTCAGTGA GGTATCCCTG TCTGTGCTGT CCTTAGAGTG CCGTCCTGAG
GCCTTGGTGA 300

GTAAAGGTCT CTGGATCTGA GCTGCCTCAG GGAAACGCAT GAGCTCATTG
GAAAGGGGAG 360

AACCAGGCAA AGGTGTTGGC TGTGACCTCA GAATTCTGAG GGGCAAAGGT
TCAAGGCTAA 420

CTCTCATTAT AGAGCAAGTT TGAGACTGGC CTGGGAACAA AAATATAAAG
TGAGTGAGGT 480

CATATGACAG CACCTGAGGA GTCCTGTCCC TAGAGATCAT AAGGACCTGG
CTGCTGGGGA 540

CTTGTTGCAG ATGGCACTTT GTGTCGAGAG AGGGGACCTG CCCCAGCATG
GGAGGCCCTG 600

GAAGATCCTC TGGATTA ACT GTGAACACTG ATTGCTGCTT TATACCTGGA
GTTGTGCTGT 660

TATCTGGTAC ACATCTGCTG GGTGAATGAG TTCATGGGCT TTATTTTCAGT
GAGGTATTTA 720

CCTGAGGAGA AAGAAGGACT GGTGCCACAA AGCACAGCTT TTAAATCTGT
GGGTTGTGAC 780

CCATTATGGA CTATCATAAC TGAGTGCAGG TATCAAGAAT ACTTTAGCAG
GTGGTAAAAA 840

GATTTTTGAA TGCGCAACGA CCAAACTGA ACTCAAAAAT CAAGCATGGC
ATGGATCCTG 900

GGTGCTCCTG GAAGCACTTG CCTTTACTGC ATTGTGCGAC TTGACGGTAG
CCTTGGTTCT 960

GAATGCACAA CACGTGGGCT TTGGGCTGCA CAGGCCACCA CGCCGTGCCT
GAAACACCTC 1020

AGCTCAGGTT TGTGGCTATG TCCTATGACT TGGACTTACT TTTATTGCAC
ATATAAATAT 1080

TTTCCTGC 1088

<210> 5
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<212> DNA
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<400> 5

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TGAATCTGAC 120

ATGAGAAAAA CAGATCAGAA ACGTTCTTGT GCTTCAGAAA AGGACAAGTG
TGTGAGCTAA 180

CAGACTGCAC ACTGGTGTTT GAGGCACATC TGGATCACAG GAGCGTCAGA
TAATGTCCCC 240

AAAGGTAAAT GCATTGCTT GCACAGTACC GAGTGTGGTG GGGGGTGCCT
ACAGCCCAGC 300

GGTTCTCAAC CTCCTGATG CTCGACCCT TTAATACAGT GCCTCATGCT
CTGGTGACCT 360

CCCCAACCTT AAAATTATTT TTGTTGCTGT TCATAACTGT GATTTTGATA
CTGTTATGAA 420

TTGTAATATA AATAATTTTG AAGAAAGAGG TTTGCCAAGG GTTTGAGAAC
TGCTGTTCTA 480

GCCCCACGTG GATGGTTTTT CGTCATTTGG GGTTTTTATG AGGCAGAGTC
TTATGTAGCC 540

CAGGCTAGCA GCCTAGAATG TGCTACTTAG CTGAGGAATA ACCTTGGAAC
TTCTGAGGAC 600

TGGAGAGACT GGCTTAGTCC TCAAGAACT GGAAATAGCT GGAGTTTGGC
TACTTGTGGG 660

TTCCTTTTTC TTCAAACCTT TTCTACTCTT TTTCCACCCT GTCGGCCCCC
TAACACTAAA 720

TAAGAAAGAG AAAGGGGAGC ATAGAGGGGA AAAGAAACCC CTGAATAACG
TCAGTAGTTG 780

GCAAAGGGGG GTGACATATG TTGTCATTAG ACCACATCCT GGTGATTAAG
GGGAGTCAAG 840

TTCCTTGGGG CAAGTTTGAT CTTTCGTGTA ACGATATCTA ATTTCTTCTC
CCTGTTGCTT 900

CGTCTTTGTG AACAAACGACT TGATAACCCA CAATGGACCA TCAACCAACC
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<212> DNA

<213> Homo sapiens

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CAGGAACAGA 120

GTGTTCTACT GTCAGATGTG TAGCTGTTCC TGTCCACTGA CTTTCAAGCT
GTCTCTGTGT 180

GCAGGAACCA GAAGGGCCTG TCCCTACTTC TACTGGGCCC CTACGCACAG
GGGGCCTAGA 240

TGGTGCTAGG TGTTTTCTC TAGAGCCTGA AATGTGGGCA GAGAGTAGTC
TCCTCTGGTT 300

TCCTAGGTAT GTCTTCCCCT CTGAAGGTCT AGCTCTCCCT TCCATGGGAT
ATGGGTGCAG 360

GGAGCTGTTT GACCAGGTCC TCTCAAATCC GGGTGCAGTC TGGACCGCAG
GCTCCTGTAG 420

CTTGCCTGCT GCAATCTTCC CGCACCCAGA GGCACCCAAG TTCCTCTTG
GGCCAAGGAT 480

GTGGGCAAAG GTGGGCAGAA GTGGCAATCT CTCCTGCCCT AGCGTCTCAG
GATTGCCCTC 540

ACTTCTGGGC AATCCGCTCT CTCTTCCACA GGGTTTGGGA GCAGGGAGCT
GTGGGCCCGT 600

ATCAGGCAAA GGTTTGAGGC AACCAGTTAG AAAGTGGGAAG TGTCAGGTCC
CAGAGGAATT 660

TTGCCTTTGT GTGTCCTGAG TCCACCAGGC AGGTCACCTG GAGCAGAAAA
ATTGGTTTTC 720

CCCTCGGTCT CAGGCCTGAA GTTGCACCTC AGGGTTGGCT TTCAGCTGTA
CCTGTGGAAA 780

GTATGGTTTT AAAAATCTAA GATAGCTATC ATGCAGCAAG GCTTGTGTAA
AATGTCTATT 840

TGGTTCCTTT ATGACTTACT TTTGCTGTAC TGAGGATCAA ACCTAGGGTC
TCAAGCAGTC 900

ATCACAATTC TCTGTCACTG ATCCAGCTCC ATTTCTATTT TCTTTTGTCC
CGCGCGATCT 960

CTCGCCAGCA AGAAAACACG CTAGGGACAT ACGAATCCTT GCTGCAGCCA
AAACTTTTAT 1020

TGAATCTTAA GGAGAAGCCC GCGCACCGGA CTGGCGCGGT TTATATACAC
CCTAGCACAG 1080

TGCATCCACA 1090